

Claims

1. Light guide for lighting vehicles, preferably motor vehicles, having at least one connection side for at least one lighting means, having reflecting surfaces lying transverse to the direction of the rays emitted by the lighting means, and having a light exit side, characterized in that the reflecting surfaces (13,14) lie transverse to the direction of the rays and offset from each other, and, viewed in the direction of the rays, adjoining each other with essentially no gaps.
2. Light guide according to claim 1, characterized in that the reflecting surfaces (13, 14) are of equal size.
3. Light guide according to claim 1 or 2, characterized in that the reflecting surfaces (13, 14) lie parallel to each other.
4. Light guide according to any of claims 1 to 3, characterized in that the reflecting surfaces (13, 14) lie at 45° to the direction of the rays on the lighting means (8, 11).
5. Light guide according to any of claims 1 to 4, characterized in that neighboring reflecting surfaces (13, 14) lie at a distance from each other.
6. Light guide according to any of claims 1 to 5, characterized in that neighboring reflecting surfaces (13, 14) are separated from each other by projections (17, 20) of the light guide (1).
7. Light guide, in particular according to any of claims 1 to 6, characterized in that the light guide (1) consists of at least two light guide parts (5, 6) which, viewed in the direction of the rays, lie side-by-side and, at their mutually opposed faces (7, 10), each comprise at least one lighting means (8,

11) whose light rays are reflectable at opposedly inclined reflecting surfaces (13, 14) to the light exit side (4).

8. Light guide according to claim 7, characterized in that the reflecting surfaces (13, 14) of the light guide parts (5, 6) are arranged at gap.

9. Light guide according to claim 7 or 8, characterized in that the light guide parts (5, 6) are alike in shape.

10. Light guide according to any of claims 1 to 9, characterized in that the connection side (7, 10) for the lighting means (8, 11) is the face of the light guide (1) and lies perpendicular to the direction of the rays of the lighting means (8, 11).

11. Light guide according to any of claims 7 to 10, characterized in that the two light guide parts (5, 6), viewed in the direction of the rays, lie side-by-side.

12. Light guide according to any of claims 7 to 11, characterized in that the width of the reflecting surfaces (13, 14) of the one light guide part (5, 6) corresponds to the distance of neighboring reflecting surfaces (14, 13) of the other light guide part (6, 5).

13. Light guide according to any of claims 7 to 12, characterized in that the two light guide parts (5, 6) are of equal width.

14. Light guide according to any of claims 7 to 13, characterized in that the reflecting surfaces (13, 14) of the two light guide parts (5, 6) are of equal size.

15. Light guide according to any of claims 7 to 14, characterized in that the two light guide parts (5, 6) are configured in one piece with each other.

16. Light guide according to any of claims 1 to 15, characterized in that the lighting means (8, 11) is at least one LED.

17. Light guide according to any of claims 1 to 16, characterized in that the light exit side (4) is provided with scattering and/or refracting optics (27).